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FEBRUARY 22, 1980

GEOLOGICAL WELL REPORT

Loil Corporation

#1 Stead, Approx.

C SE NE Section 31-T27S-R8W,

Wildcat, Kingman County, Kansas

Contractor: DNB Drilling, Inc.

Spud: Febr. 12, 1980

8 5/8" Casing @ 256'

Completed as a dry hole Feb. 21. 1980

Total Depth: 4541 (Rotary)

4537 (E. Log)

LOIL CORPORATION

1535 Grant Street

Barrister Building, Suite 270

Denver, Colorado 80203

Gentlemen:

Listed below are the pertinent geologic tops and an evaluation of the porosities encountered. No drill stem tests were taken but the hole was logged electrically before abandonment. That data included herein.

I arrived at the location at a depth of approximately 1650' and witnessed the drilling from that point to TD 4541. A Gas Detector was installed at the well above 1000 feet and operated continuously to TD 4541. At no point during the drilling operation did the detector indicate a "show of gas" sufficient to be considered an indication of commercial production.

Enclosed herewith is a copy of the plotted drilling time log which also includes lithology, porous zones, tops, and other pertinent data.

ELECTRIC LOG TOPS

ELEVATION	1615 K.B. Est.	G. L. 1610 Est.
FT. RILEY	1604 (+ 11)	
BASE OF FLORENCE FLINT	1694 (- 79)	
COTTONWOOD	1944 (- 329)	
2005-10	Limestone, buff, oolitic, good porosity, no show, no gas kick.	
INDIAN CAVE ZONE	2214-2257	

No sands developed.

#1 Stead

WABAUNSEE

2257 (- 642)

2355-60

Limestone, tan, very fossiliferous, good porosity,
no shows and no gas kick.

HOWARD

2648 (-1033)

TOPEKA

2779 (-1158)

HEEBNER SHALE

3136 (-1521)

DOUGLAS

3161 (-1546)

Sand 3294-3331 and 3344-3355.

Sandstone, gray, fairly clean, fair porosity, no
show, no gas kick.

BROWN LIME

3360 (-1745)

LANSING-KANSAS CITY

3371 (-1756)

STARK SHALE

3693 (-2078)

SWOPE LIMESTONE POROSITIES

3706-10 and 3748-61

Limestone, tan to buff, oolitic, excellent porosities. No show,
no fluorescence, no gas kick.

BASE OF KANSAS CITY

3800 (-2185)

MISSISSIPPIAN "CHAT"

3996 (-2381)

3996-4084

Chert, white, tripolitic, porous to white vitreous. Very scattered dark
oil staining dry, and trace free oil wet, in upper 30 feet of section.
No odor, scattered bright fluorescence, one point 20 unit gas kick.

MISSISSIPPIAN LIMESTONE

4085 (-2470)

KINDERHOOK SHALE

4118 (-2503)

VIOLA

4318 (-2703)

4318-31 and 4336-46 Chert, gray, opaque, dolomite brown to gray,
finely crystalline to sucrosic. Some good porosity, no show, no
fluorescence, no odor, and no gas kick.

February 22, 1980

SIMPSON SHALE 4395 (-2780)
SIMPSON SAND 4400 -10

Sandstone, medium grained, mostly rounded, white, clean, clustered, good porosity, no show, no fluorescence, no odor and no gas kick.

ARBUCKLE 4480 (-2865)

4484-94 Dolomite, buff, finely crystalline, oolitic, extremely porous - no show or gas kick.

4500-41 Dolomite, tan to buff, medium to coarsely crystalline, streaks of excellent cavernous porosity, no show, no fluorescence or gas kick.

TOTAL DEPTH: 4541 (Rotary)
4537 (E. Log)

Conclusions and Recommendations

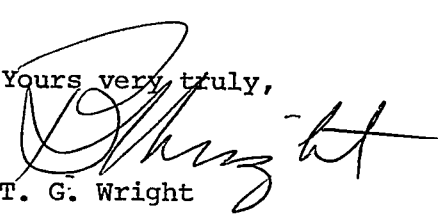
From the available relatively near subsurface control, this test checked structurally very normal, being about flat with other tests on the Mississippian in the area and some what lower structurally when compared within the Ordovician.

Upper potential gas zones appeared negative including the Indian Cave Sandstone of the lower Permian.

The scattered stains reported in the Mississippian Chert were judged non-commercial from subsurface evidence near at hand in which other tests had encountered salt water on drill stem tests.

With the lack of interesting zones, it was recommended that the well be abandoned as a dry hole.

Yours very truly,


T. G. Wright

TGW:wlf

COMPANY Loil Corp.WELL #1 SteadFIELD WildcatCOUNTY KingmanSTATE Kansas

Quantitative Log Interpretation

This interpretation represents our best judgement. However, because all log analysis is based on best assumptions and empirical relationships, we cannot guarantee the accuracy of these figures. For this reason, we must disclaim any responsibility for any loss or expense which results from the use of this interpretation.



Point No.	Depth	ΔT	Φ_{log}	D_B	Φ_{log}	Φ_{log}	R_W	R_T	R_{WA}	S_W	Remarks	References
1	2332 36		12		12	12	.05	12		54	U. Penn.	$\Delta T_M =$
2	3466 70		18		18	18		3		71	Cansing	$\Delta T_F =$
3	3702 05		24		24	25		8		33	Swope	$D_G =$
4	3748 58		21		22	24	.05	8		36	Swope	$D_F =$
5	4000 06		38		33	29	.035	.35		96	Miss	
6	4006 13		36		32	28		.4		92		
7	4013 16		39		34	29		.3		100		
8	4016 26		34		31	28		.8		67		
9	4026 48		34		31	28		.5		85		
10	4048 51		36		29	22		.6		77		
11	4051 56		32		30	28		.5		88		
12	4058 62		29		27	24		.5		98		
13	4064 70		26		23	20		1		81		
14	4070 84		24		22	20	.035	1.2		77		
15	4320 24		14		15	16	.06	4		82	V. ola	
16	4326 30		13		11	10		6		91		
17	4338 44		9		8	7		13		85		
18	4388 94		14		10	7		2.5		100		
19	4400 04		13		9	4		6		100	Simpson	
20	4406 10		11		8	4		6		100		
21	4510 14		2		8	14		12		100	Arb.	
22	4516 20		4		7	11		12		100		

EQUATIONS

$$S_W = \sqrt{\frac{R_W}{\Phi_{\text{log}} R_T}}$$

CHART MANUAL
PAGE REFERENCE

OTHER

KELLY McJANNET
DRESSER ATLAS ENGINEER2-20-80
DATE

DRILLING PROGRESS

2/12/80	Spud		
2/13	1440		
2/14	2296		
2/15	2815		
2/16	3362		
2/17	3770		
2/18	4100		
2/19	4400		
2/20	4541	TD	Logging

BIT RECORD

SECURITY	S3J	256-1377	
SECURITY	S86F	1377-4145	
SECURITY	S86F	4145-4541	TD